

STRAIGHT AND FAN NOZZLE



STRAIGHT NOZZLE

Water flow over a small area, enhancing the cutting of materials with high hardness or resistance.



FAN NOZZLE

Water flow in a plane from 5° to 45° with wide coverage of the work area.



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STRAIGHT AND FAN

FLOW RATE CHART:

Ø INSERT	50	100	200	300	400	500	600	700	800	900	1.000	1.100	1.200	1.300	1.400	1.500
0.32	0,32 L/min (0,08 gpm)	0,44 L/min (0,12 gpm)	0,63 L/min (0,17 gpm)	0,77 L/min (0,20 gpm)	0,89 L/min (0,24 gpm)	1,00 L/min (0,26 gpm)	1,10 L/min (0,29 gpm)	1,19 L/min (0,31 gpm)	1,27 L/min (0,34 gpm)	1,34 L/min (0,35 gpm)	1,42 L/min (0,37 gpm)	1,49 L/min (0,39 gpm)	1,56 L/min (0,41 gpm)	1,61 L/min (0,42 gpm)	1,68 L/min (0,44 gpm)	1,74 L/min (0,46 gpm)
0.4	0,50 L/min (0,13 gpm)	0,70 L/min (0,18 gpm)	0,99 L/min (0,26 gpm)	1,22 L/min (0,32 gpm)	1,40 L/min (0,37 gpm)	1,57 L/min (0,41 gpm)	1,72 L/min (0,45 gpm)	1,86 L/min (0,49 gpm)	1,99 L/min (0,53 gpm)	2,11 L/min (0,56 gpm)	2,22 L/min (0,59 gpm)	2,33 L/min (0,62 gpm)	2,43 L/min (0,64 gpm)	2,53 L/min (0,67 gpm)	2,63 L/min (0,69 gpm)	2,72 L/min (0,72 gpm)
0.5	0,78 L/min (0,21 gpm)	1,10 L/min (0,29 gpm)	1,55 L/min (0,41 gpm)	1,90 L/min (0,50 gpm)	2,19 L/min (0,58 gpm)	2,45 L/min (0,65 gpm)	2,68 L/min (0,71 gpm)	2,90 L/min (0,77 gpm)	3,10 L/min (0,82 gpm)	3,29 L/min (0,87 gpm)	3,47 L/min (0,92 gpm)	3,64 L/min (0,96 gpm)	3,80 L/min (1,00 gpm)	3,93 L/min (1,04 gpm)	4,11 L/min (1,09 gpm)	4,25 L/min (1,12 gpm)
0.6	1,12 L/min (0,30 gpm)	1,58 L/min (0,42 gpm)	2,23 L/min (0,59 gpm)	2,74 L/min (0,72 gpm)	3,16 L/min (0,83 gpm)	3,53 L/min (0,93 gpm)	3,87 L/min (1,02 gpm)	4,18 L/min (1,10 gpm)	4,47 L/min (1,18 gpm)	4,74 L/min (1,25 gpm)	5,00 L/min (1,32 gpm)	5,24 L/min (1,38 gpm)	5,47 L/min (1,44 gpm)	5,70 L/min (1,50 gpm)	5,91 L/min (1,56 gpm)	6,12 L/min (1,62 gpm)
0.7	1,52 L/min (0,40 gpm)	2,15 L/min (0,57 gpm)	3,04 L/min (0,80 gpm)	3,72 L/min (0,98 gpm)	4,30 L/min (1,14 gpm)	4,81 L/min (1,27 gpm)	5,27 L/min (1,39 gpm)	5,69 L/min (1,50 gpm)	6,08 L/min (1,60 gpm)	6,45 L/min (1,70 gpm)	6,80 L/min (1,79 gpm)	7,13 L/min (1,88 gpm)	7,45 L/min (1,97 gpm)	7,75 L/min (2,05 gpm)	8,05 L/min (2,13 gpm)	8,33 L/min (2,20 gpm)
0.8	1,99 L/min (0,53 gpm)	2,81 L/min (0,74 gpm)	3,97 L/min (1,05 gpm)	4,86 L/min (1,28 gpm)	5,62 L/min (1,48 gpm)	6,28 L/min (1,66 gpm)	6,88 L/min (1,81 gpm)	7,43 L/min (1,96 gpm)	7,94 L/min (2,10 gpm)	8,43 L/min (2,23 gpm)	8,88 L/min (2,34 gpm)	9,32 L/min (2,46 gpm)	9,73 L/min (2,57 gpm)	10,13 L/min (2,68 gpm)	10,51 L/min (2,78 gpm)	10,88 L/min (2,87 gpm)
0.9	2,51 L/min (0,66 gpm)	3,55 L/min (0,94 gpm)	5,03 L/min (1,33 gpm)	6,16 L/min (1,63 gpm)	7,11 L/min (1,88 gpm)	7,95 L/min (2,10 gpm)	8,71 L/min (2,30 gpm)	9,41 L/min (2,48 gpm)	10,05 L/min (2,65 gpm)	10,66 L/min (2,81 gpm)	11,24 L/min (2,97 gpm)	11,79 L/min (3,11 gpm)	12,31 L/min (3,25 gpm)	12,82 L/min (3,38 gpm)	13,30 L/min (3,52 gpm)	13,77 L/min (3,64 gpm)
1.0	3,10 L/min (0,82 gpm)	4,39 L/min (1,16 gpm)	6,21 L/min (1,64 gpm)	7,60 L/min (2,01 gpm)	8,78 L/min (2,31 gpm)	9,81 L/min (2,59 gpm)	10,75 L/min (2,84 gpm)	11,61 L/min (3,06 gpm)	12,41 L/min (3,28 gpm)	13,17 L/min (3,48 gpm)	13,88 L/min (3,66 gpm)	14,56 L/min (3,85 gpm)	15,20 L/min (4,01 gpm)	15,82 L/min (4,18 gpm)	16,42 L/min (4,34 gpm)	17,00 L/min (4,49 gpm)
1.1	3,75 L/min (0,99 gpm)	5,31 L/min (1,40 gpm)	7,51 L/min (1,98 gpm)	9,20 L/min (2,43 gpm)	10,62 L/min (2,81 gpm)	11,87 L/min (3,13 gpm)	13,01 L/min (3,43 gpm)	14,05 L/min (3,71 gpm)	15,02 L/min (3,97 gpm)	15,93 L/min (4,21 gpm)	16,79 L/min (4,44 gpm)	17,61 L/min (4,65 gpm)	18,40 L/min (4,85 gpm)	19,15 L/min (5,06 gpm)	19,87 L/min (5,26 gpm)	20,57 L/min (5,44 gpm)
1.2	4,47 L/min (1,18 gpm)	6,32 L/min (1,67 gpm)	8,94 L/min (2,36 gpm)	10,95 L/min (2,89 gpm)	12,64 L/min (3,34 gpm)	14,13 L/min (3,73 gpm)	15,48 L/min (4,09 gpm)	16,72 L/min (4,41 gpm)	17,87 L/min (4,72 gpm)	18,96 L/min (5,01 gpm)	19,98 L/min (5,29 gpm)	20,96 L/min (5,54 gpm)	21,89 L/min (5,78 gpm)	22,79 L/min (6,02 gpm)	23,65 L/min (6,24 gpm)	24,48 L/min (6,46 gpm)
1.3	5,24 L/min (1,38 gpm)	7,42 L/min (1,96 gpm)	10,49 L/min (2,77 gpm)	12,85 L/min (3,39 gpm)	14,83 L/min (3,92 gpm)	16,58 L/min (4,38 gpm)	18,17 L/min (4,80 gpm)	19,62 L/min (5,19 gpm)	20,98 L/min (5,54 gpm)	22,25 L/min (5,87 gpm)	23,45 L/min (6,19 gpm)	24,60 L/min (6,49 gpm)	25,69 L/min (6,78 gpm)	26,74 L/min (7,05 gpm)	27,75 L/min (7,31 gpm)	28,73 L/min (7,59 gpm)
1.4	6,08 L/min (1,60 gpm)	8,60 L/min (2,27 gpm)	12,16 L/min (3,21 gpm)	14,90 L/min (3,94 gpm)	17,20 L/min (4,54 gpm)	19,23 L/min (5,08 gpm)	21,07 L/min (5,57 gpm)	22,76 L/min (6,00 gpm)	24,33 L/min (6,43 gpm)	25,81 L/min (6,82 gpm)	27,20 L/min (7,18 gpm)	28,53 L/min (7,52 gpm)	29,80 L/min (7,87 gpm)	31,01 L/min (8,19 gpm)	32,18 L/min (8,49 gpm)	33,31 L/min (8,80 gpm)
1.5	6,98 L/min (1,84 gpm)	9,87 L/min (2,61 gpm)	13,96 L/min (3,69 gpm)	17,10 L/min (4,51 gpm)	19,75 L/min (5,23 gpm)	22,08 L/min (5,83 gpm)	24,19 L/min (6,38 gpm)	26,13 L/min (6,90 gpm)	27,93 L/min (7,37 gpm)	29,62 L/min (7,82 gpm)	31,23 L/min (8,24 gpm)	32,75 L/min (8,64 gpm)	34,21 L/min (9,02 gpm)	35,60 L/min (9,39 gpm)	36,95 L/min (9,76 gpm)	38,24 L/min (10,11 gpm)
1.6	7,94 L/min (2,10 gpm)	11,23 L/min (2,97 gpm)	15,89 L/min (4,20 gpm)	19,46 L/min (5,14 gpm)	22,47 L/min (5,94 gpm)	25,12 L/min (6,64 gpm)	27,52 L/min (7,27 gpm)	29,72 L/min (7,84 gpm)	31,78 L/min (8,39 gpm)	33,70 L/min (8,89 gpm)	35,53 L/min (9,39 gpm)	37,26 L/min (9,84 gpm)	38,92 L/min (10,28 gpm)	40,51 L/min (10,70 gpm)	42,04 L/min (11,10 gpm)	43,51 L/min (11,48 gpm)
1.7	8,97 L/min (2,37 gpm)	12,68 L/min (3,35 gpm)	17,94 L/min (4,74 gpm)	21,97 L/min (5,80 gpm)	25,37 L/min (6,70 gpm)	28,36 L/min (7,49 gpm)	31,07 L/min (8,20 gpm)	33,56 L/min (8,86 gpm)	35,87 L/min (9,48 gpm)	38,05 L/min (10,06 gpm)	40,11 L/min (10,60 gpm)	42,07 L/min (11,12 gpm)	43,92 L/min (11,61 gpm)	45,73 L/min (12,06 gpm)	47,46 L/min (12,54 gpm)	49,12 L/min (13,00 gpm)
1.8	10,05 L/min (2,65 gpm)	14,22 L/min (3,75 gpm)	20,11 L/min (5,32 gpm)	24,63 L/min (6,50 gpm)	28,44 L/min (7,51 gpm)	31,80 L/min (8,39 gpm)	34,83 L/min (9,20 gpm)	37,62 L/min (9,94 gpm)	40,22 L/min (10,63 gpm)	42,66 L/min (11,27 gpm)	44,97 L/min (11,87 gpm)	47,16 L/min (12,46 gpm)	49,26 L/min (13,00 gpm)	51,27 L/min (13,52 gpm)	53,20 L/min (14,05 gpm)	55,07 L/min (14,55 gpm)
1.9	11,20 L/min (2,96 gpm)	15,84 L/min (4,19 gpm)	22,41 L/min (5,92 gpm)	27,44 L/min (7,24 gpm)	31,69 L/min (8,37 gpm)	35,43 L/min (9,35 gpm)	38,81 L/min (10,25 gpm)	41,92 L/min (11,06 gpm)	44,81 L/min (11,83 gpm)	47,53 L/min (12,57 gpm)	50,10 L/min (13,25 gpm)	52,55 L/min (13,87 gpm)	54,88 L/min (14,48 gpm)	57,12 L/min (15,08 gpm)	59,28 L/min (15,65 gpm)	61,36 L/min (16,22 gpm)
2.0	12,41 L/min (3,28 gpm)	17,55 L/min (4,64 gpm)	24,83 L/min (6,56 gpm)	30,41 L/min (8,04 gpm)	35,11 L/min (9,28 gpm)	39,25 L/min (10,36 gpm)	43,00 L/min (11,36 gpm)	46,45 L/min (12,25 gpm)	49,65 L/min (13,11 gpm)	52,66 L/min (13,91 gpm)	55,51 L/min (14,66 gpm)	58,22 L/min (15,38 gpm)	60,81 L/min (16,08 gpm)	63,29 L/min (16,71 gpm)	65,68 L/min (17,34 gpm)	67,99 L/min (17,96 gpm)



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